

ABSTRACT

The present invention relates to fabrication and application of nano-manipulators with induced growth using a focused particle beam. Induced growth may be used to fabricate 5 nano-manipulators, such as a nano-tweezers or grippers, which allows for a very precise and flexible design. Also, applying the growth techniques together with nano-manipulators provides a strong tool for performing complex operations performing pick & place operations with nanoscale structures and fabrication of other nano-manipulators.